

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7429235

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|---|---|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>   |
| ALAN GRAHAM ALEXANDER   | 06/21/2022  |
| RICHARD LUKE SOUTHWELL OSBORNE  | 04/27/2022  |
| MATTHEW DAVID FYLES   | 06/24/2022  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | GRAPHCORE LIMITED   |
| <b>Street Address:</b>  | 11-19 WINE STREET   |
| <b>City:</b>  | BRISTOL   |
| <b>State/Country:</b>   | UNITED KINGDOM  |
| <b>Postal Code:</b>   | BS1 2PH   |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| <b>Application Number:</b>  | 17812214  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  |   |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |   |
| <b>Email:</b>   | marcella.thompson@haynesboone.com,<br>ipdocketing@haynesboone.com |
| <b>Correspondent Name:</b>  | HAYNES AND BOONE, LLP   |
| <b>Address Line 1:</b>  | 2323 VICTORY AVE  |
| <b>Address Line 4:</b>  | DALLAS, TEXAS 75219   |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 58424.23US02 (413161US1)  |
| <b>NAME OF SUBMITTER:</b>   | MARCELLA THOMPSON   |
| <b>SIGNATURE:</b>   | /Marcella Thompson/   |
| <b>DATE SIGNED:</b>   | 07/13/2022  |
| <b>Total Attachments: 4</b>   |   |
| source=58424.23US01 - 413161US - Signed Assignment#page1.tif  |   |
| source=58424.23US01 - 413161US - Signed Assignment#page2.tif  |   |
| source=58424.23US01 - 413161US - Signed Assignment#page3.tif  |   |
| source=58424.23US01 - 413161US - Signed Assignment#page4.tif  |   |

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **Graphcore Limited**, a British Private Limited Company having a place of business at **11-19 Wine Street, BRISTOL, BS1 2PH, UNITED KINGDOM**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the patent application for United States Letters Patent filed in the United States Patent and Trademark Office on May 22, 2019 under No. 16/419,623 entitled **A Method Of Debugging A Processor That Executes Vertices Of an Application, Each Vertex Being Assigned To a Programming Thread of the Processor**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions and designs; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions and designs, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and designs and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;
4. Authorize and request **HAYNES AND BOONE, LLP** to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

ASSIGNMENT

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date: 21st June 2022

Signature: \_\_\_\_\_

Inventor Name: **Alan Graham Alexander**  
Address: 24 Tyndale View, Kingswood  
Wotton-Under-Edge, United Kingdom GL12 8RY  
Citizenship: British

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Richard Luke Southwell Osborne**  
Address: The Robinson Building, Norfolk Place  
Apartment 6009  
Bristol, United Kingdom BS3 4AX  
Citizenship: British

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Matthew David Fyles**  
Address: 61 Budbury Tynning, Bradford-on-Avon  
Wiltshire, United Kingdom BA15 1QE  
Citizenship: British

### ASSIGNMENT

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Alan Graham Alexander**  
Address: 24 Tyndale View, Kingswood  
Wotton-Under-Edge, United Kingdom GL12 8RY  
Citizenship: British

Date: April 27, 2022

Signature: Richard Luke Southwell Osborne

Inventor Name: **Richard Luke Southwell Osborne**  
Address: The Robinson Building, Norfolk Place  
Apartment 6009  
Bristol, United Kingdom BS3 4AX  
Citizenship: British

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Matthew David Fyles**  
Address: 61 Budbury Tynning, Bradford-on-Avon  
Wiltshire, United Kingdom BA15 1QE  
Citizenship: British

ASSIGNMENT

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Alan Graham Alexander**

Address: 24 Tyndale View, Kingswood

Wotton-Under-Edge, United Kingdom GL12 8RY

Citizenship: British

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Inventor Name: **Richard Luke Southwell Osborne**

Address: The Robinson Building, Norfolk Place

Apartment 6009

Bristol, United Kingdom BS3 4AX

Citizenship: British

Date: 06/24/22

Signature: 

Inventor Name: **Matthew David Fyles**

Address: 61 Budbury Tynning, Bradford-on-Avon

Wiltshire, United Kingdom BA15 1QE

Citizenship: British